

Fig. 1

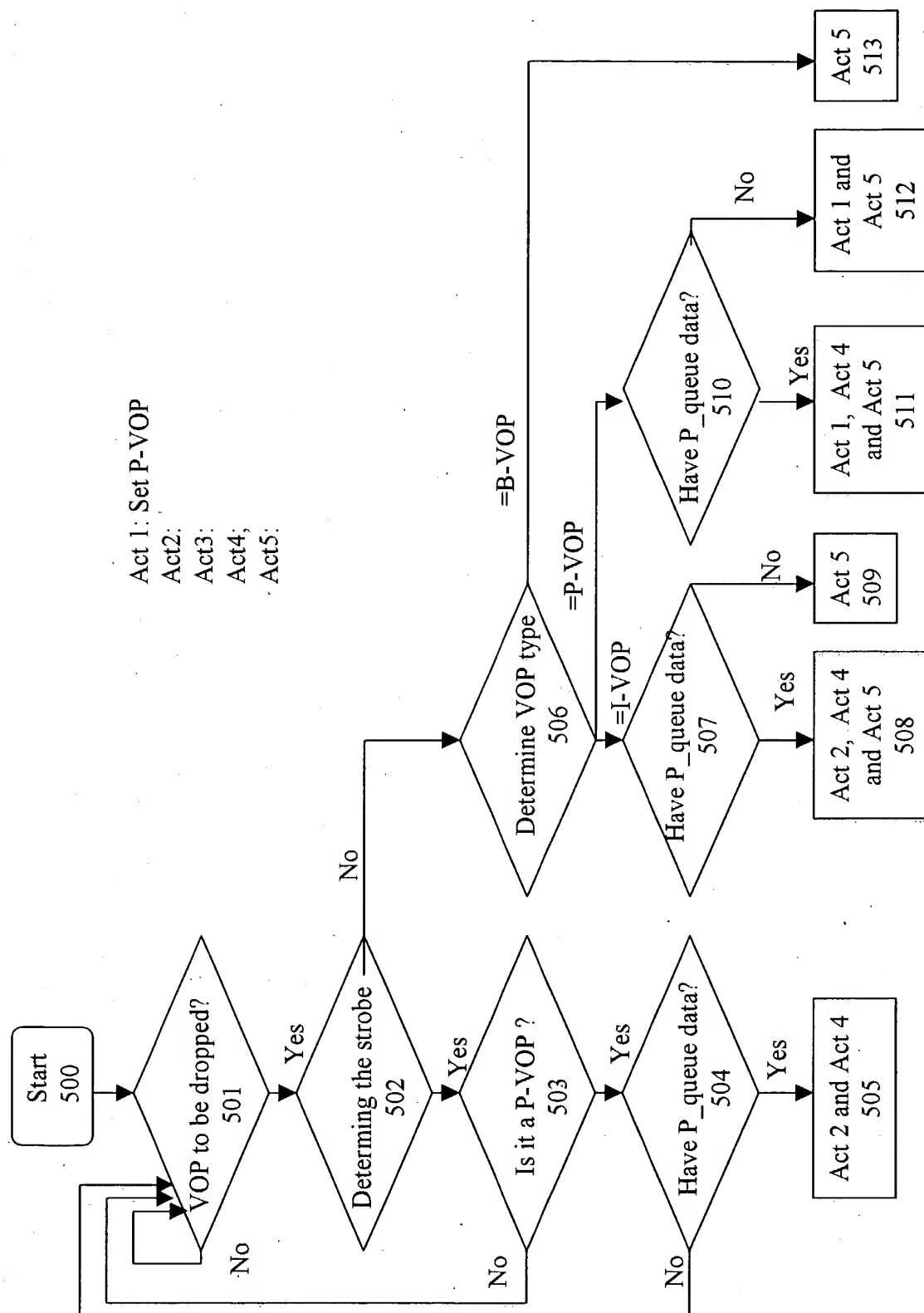


Fig. 2

Inputs				Outputs			
drop_frame_decision	drop_frame_stb	dec_wr_vop_type	P_queue_exist [T]	Flag of P_queue [T+1]	P_queue	Flag of rd_vop_queue	rd_vop_queue
0	X	X	X	same	same	same	same
1	1	I / B	X	same	same	same	same
1	1	P	0	0	same	same	same
1	1	P	1	0	same	Add 1 more	Add P_queue_content
1	0	I	0	0	same	Add 1 more	Add wr_vop_ptr
1	0	I	1	0	same	Add 2 more	Add P_queue_content and wr_vop_ptr
1	0	P	0	1	wr_vop_ptr	same	same
1	0	P	1	1	wr_vop_ptr	Add 1 more	Add P_queue_content
1	0	B	X	same	same	Add 1 more	Add wr_vop_ptr

Fig. 3 Truth table of decide_dec_rd_vop_ptr

dec_wr_vop_type	Encoding order	dropped?	Flag of P_queue	P_queue_content	R[0] R[1] R[2] R[3] R[4] R[5] R[6] R[7] R[8] R[9] R[10] R[11]
			No	Don't Care	
I-VOP	0	No	No	Don't Care	0
P-VOP	1	No	Yes	1	0
B-VOP	2	No	Yes	1	0 2
B-VOP	3	No	Yes	1	0 2 3
P-VOP	4	No	Yes	4	0 2 3 1
B-VOP	5	Yes	Yes	4	0 2 3 1
B-VOP	5	No	Yes	4	0 2 3 1 5
P-VOP	6	Yes	No	Don't Care	0 2 3 1 5 4
B-VOP	6	No	No	Don't Care	0 2 3 1 5 4 6
B-VOP	7	No	No	Don't Care	0 2 3 1 5 4 6 7
P-VOP	0	No	Yes	0	0 2 3 1 5 4 6 7
B-VOP	1	No	Yes	0	0 2 3 1 5 4 6 7 1 2
B-VOP	2	No	Yes	0	0 2 3 1 5 4 6 7 1 2
I-VOP	3	No	No	Don't Care	0 2 3 1 5 4 6 7 1 2 0 3

Fig. 4 Evolution of P_queue and rd_vop_queue in the decoding process